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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

- 1. (Original) A method for determination of the rotation speed of a direct-current motor (1), having the following steps:
 - detection of the motor voltage or of the motor current, or of a signal which is derived from the motor voltage or motor current of the direct-current motor (1),
 - sampling of the signal and production of a sequence of sample values,
 - formation of a first mean value of a first number of sample values,
 - formation of a second mean value of a second number of sample values,
 - comparison of the first mean value with the second mean value, and production of a mathematical sign of the result,
- calculation of the rotation speed as a function of the number of sample values between mathematical-sign changes, in the process carrying out a multiplication of the number of sample values between mathematical-sign changes of the recurring comparison results by the time period between the individual samples, which is predetermined by the sampling rate at which the signal is sampled.

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2. (Original) The method as claimed in claim 1, characterized in that the first number of sample values is greater than the second number of sample values.

- 3. (Currently Amended) The method as claimed in claim 1 or 2, characterized in that the first and the second mean values are updated continuously.
- 4. (Currently Amended) The method as claimed in one of claims claim 1 to 3, characterized in that the rotation speed is calculated as a function of the time which passes between electrical contact changes between individual commutator laminates and the sliding contact.
- 5. (Currently Amended) The method as claimed in one of claims claim 1 to 4, characterized in that the rotation speed is measured continuously.
- 6. (Currently Amended) An arrangement for carrying out the method as claimed in one of claims claim 1-to-5, comprising
 - a signal input (3) for supplying the signal which is derived from the motor voltage or the motor current of the direct-current motor (1),
 - an analog/digital converter (5) having an input which is coupled to the signal input (3) and having an output for production of the sequence of sample values,

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- a first averager (61) for the sequence of sample values, which is coupled to the output of the analog/digital converter (5),

- a second averager (62) for the sequence of sample value, which is coupled to the output of the analog/digital converter (5),
- a comparator (63), which is connected to the first and to the second averager (61, 62), and
- a computation unit (64) for outputting a rotation-speed-dependent signal, which computation unit 964) is coupled to the comparator (63).
- 7. (Original) The arrangement as claimed in claim 6, characterized in that a digital signal processor (6) is provided which comprises the first averager (61), the second averager (62), the comparator (63) and the computation unit (64).
- 8. (Currently Amended) The arrangement as claimed in claim 6 or 7, characterized in that a current measurement resistor (3) is provided, and forms the signal input of the arrangement.
 - 9. (Original) The arrangement as claimed in claim 8, characterized in that the current measurement resistor (3) is connected in series with the direct-current motor (1).

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10. (Currently Amended) The arrangement as claimed in one of claims claim 6 to 9, characterized in that a DC voltage amplifier (4) is provided which couples the signal input (3) to the input of the analog/digital converter (5).

- 11. (Currently Amended) The arrangement as claimed in one of claims claim 6 to 10, characterized in that the direct current motor (1) is a direct-current commutator motor.
 - 12. (Currently Amended) The use of an arrangement as claimed in one of claims claim 6 to 11,

In a direct-current motor (1) for driving a fan.

13. (Currently Amended) The use of an arrangement as claimed in one of claims claim 6 to 11, in a direct-current motor (1) for driving a pump.